

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100118\  
 Data File : BG037093.D  
 Acq On : 2 Oct 2018 2:05  
 Operator : JU/SJ  
 Sample : PB113379TB  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB113379TB

Quant Time: Oct 02 06:58:33 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 24 10:41:23 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.04  | 152  | 42252    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.84 | 136  | 173054   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.67 | 164  | 109751   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.41 | 188  | 291640   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.68 | 240  | 300736   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 24.88 | 264  | 287390   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 298854   | 135.65 | ng    | 0.00     |
| 7) Phenol-d6                | 7.20  | 99   | 397159   | 116.51 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 266816   | 82.57  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.15 | 330  | 135586   | 103.26 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.28 | 172  | 590379   | 80.12  | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.02 | 244  | 1053085  | 92.08  | ng    | 0.00     |

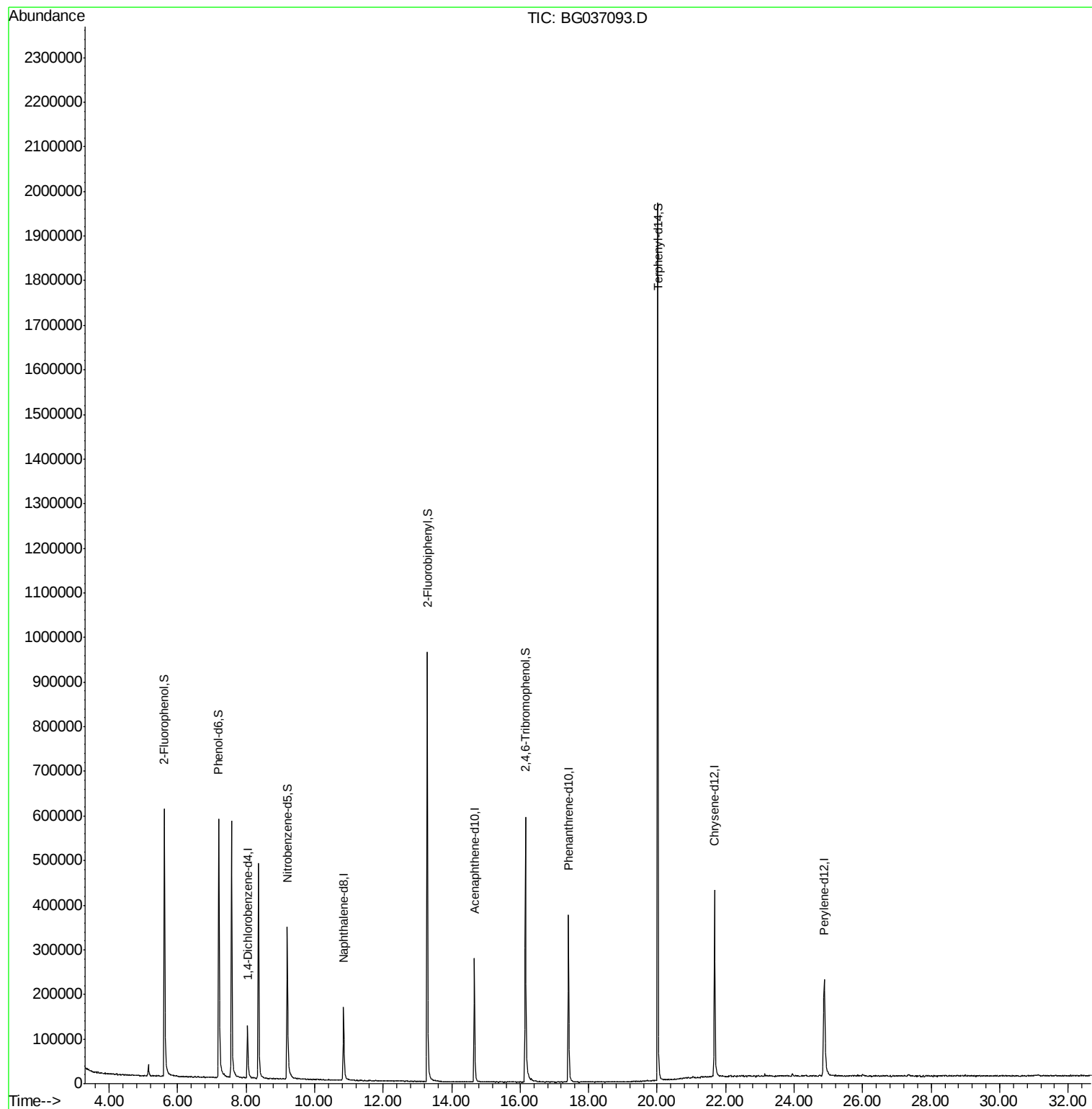
Target Compounds Qvalue

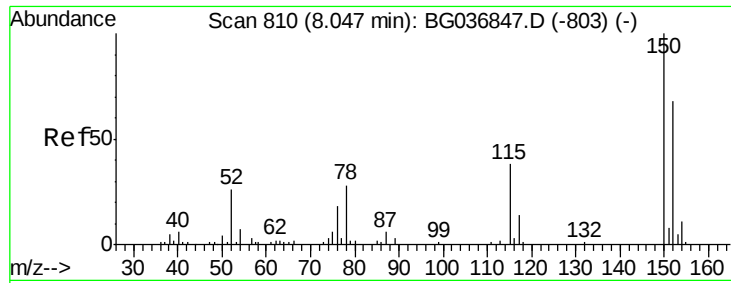
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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QLast Update : Mon Sep 24 10:41:23 2018  
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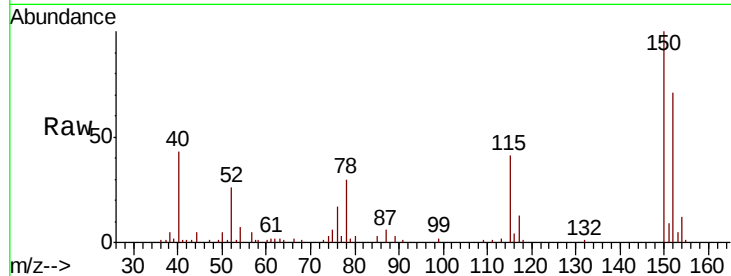




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.04 min Scan# 808  
 Delta R.T. -0.01 min  
 Lab File: BG037093.D  
 Acq: 2 Oct 2018 2:05

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB113379TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 141.0 | 119.5 | 179.3 |
| 115     | 57.4  | 44.5  | 66.7  |

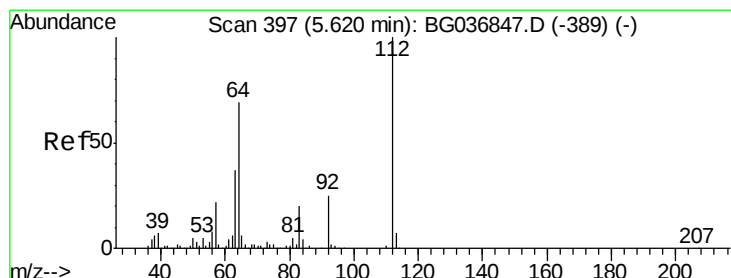
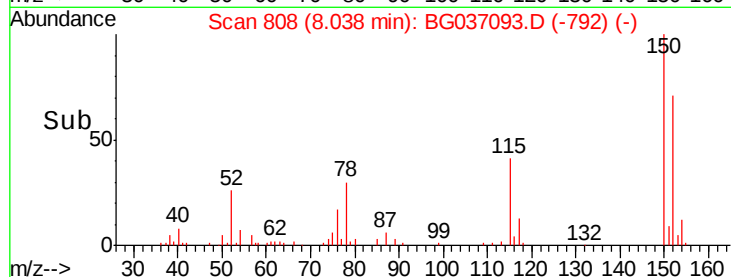
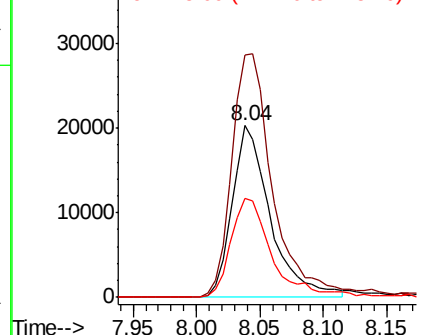


Abundance

Ion 152.00 (151.70 to 152.70): E

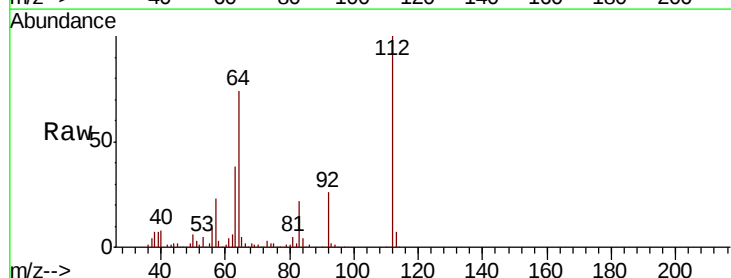
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5  
 2-Fluorophenol  
 Concen: 135.647 ng  
 RT: 5.61 min Scan# 395  
 Delta R.T. -0.01 min  
 Lab File: BG037093.D  
 Acq: 2 Oct 2018 2:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 73.7  | 57.2  | 85.8  |
| 63      | 37.7  | 30.8  | 46.2  |

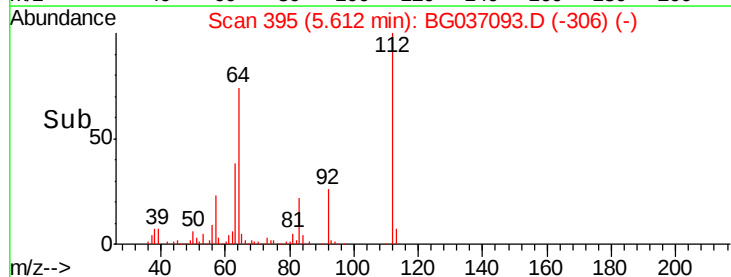
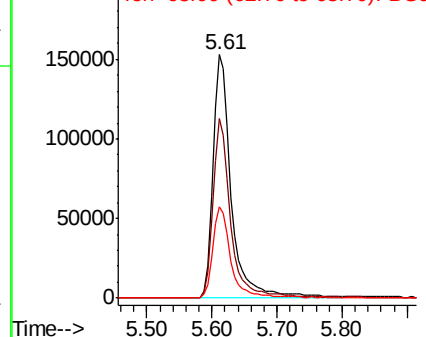


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 116.514 ng

RT: 7.20 min Scan# 665

Delta R.T. -0.01 min

Lab File: BG037093.D

Acq: 2 Oct 2018 2:05

Instrument :

BNA\_G

ClientSampleId :

PB113379TB

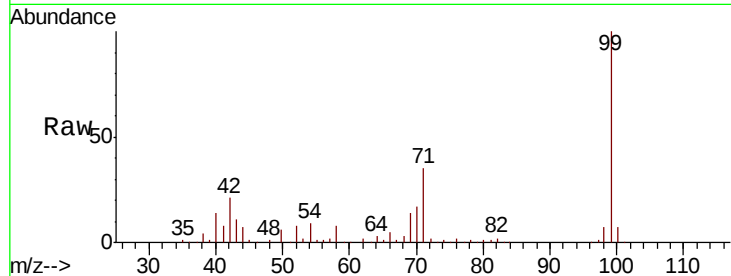
Tot Ion: 99 Resp: 397159

Ion Ratio Lower Upper

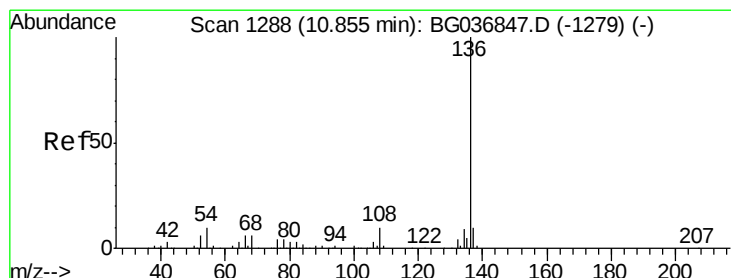
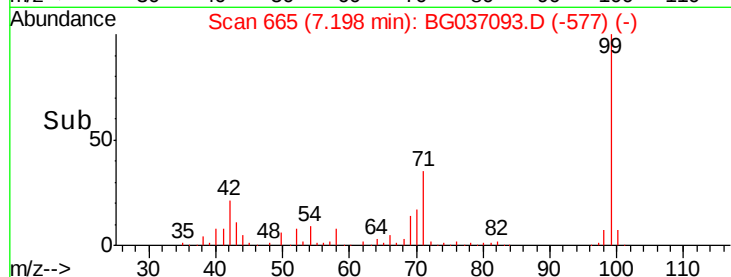
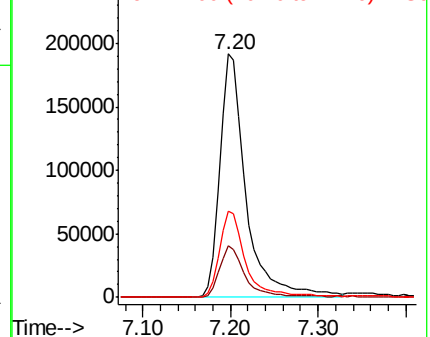
99 100

42 21.0 16.5 24.7

71 35.2 29.4 44.2



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.84 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BG037093.D

Acq: 2 Oct 2018 2:05

Tgt Ion: 136 Resp: 173054

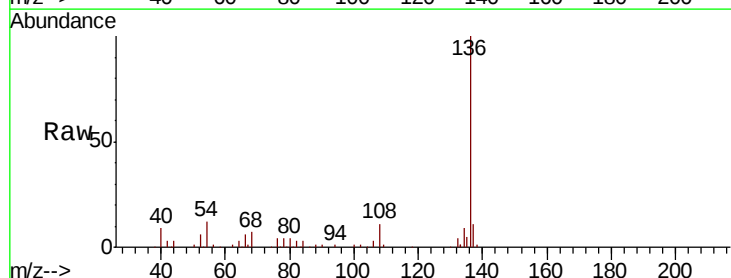
Ion Ratio Lower Upper

136 100

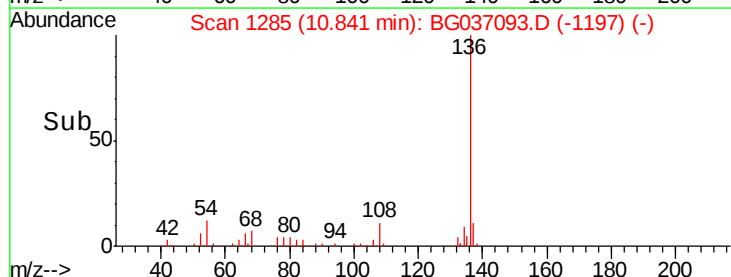
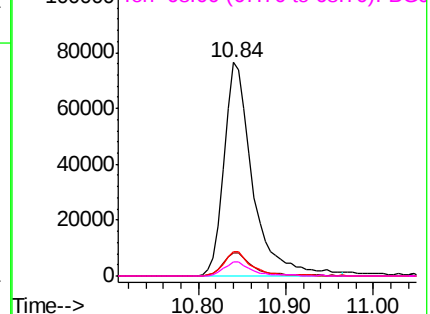
137 10.9 8.8 13.2

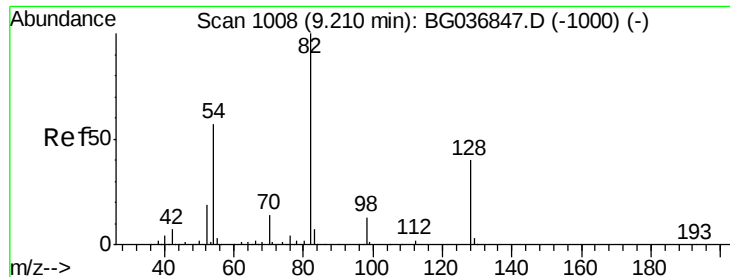
54 11.6 9.2 13.8

68 6.7 5.8 8.6



Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

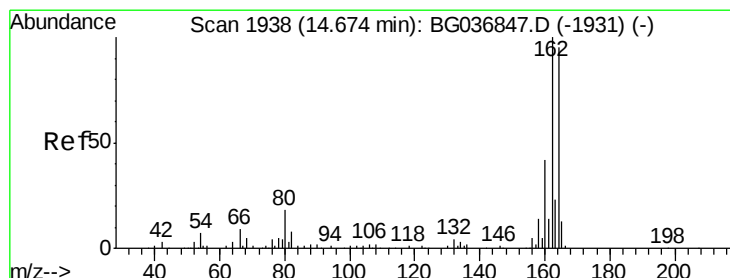
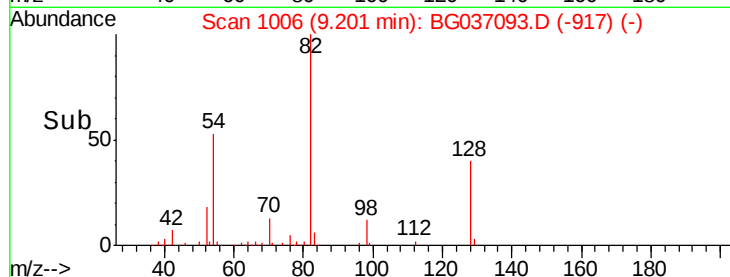
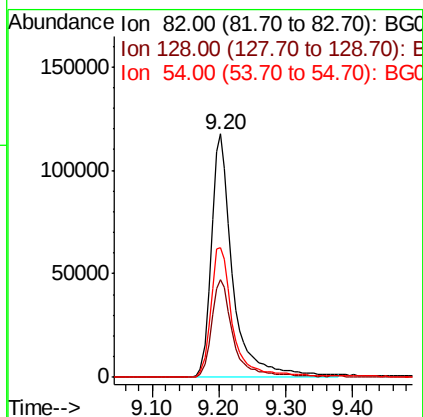
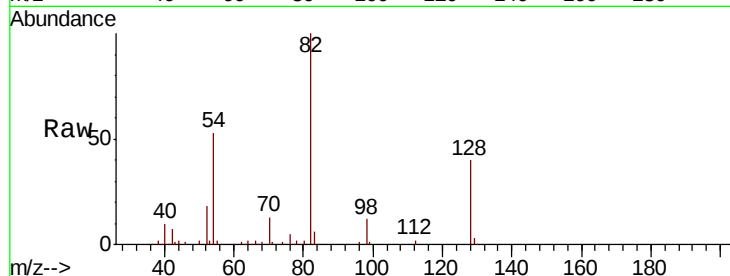




#23  
Nitrobenzene-d5  
Concen: 82.565 ng  
RT: 9.20 min Scan# 1006  
Delta R.T. -0.01 min  
Lab File: BG037093.D  
Acq: 2 Oct 2018 2:05

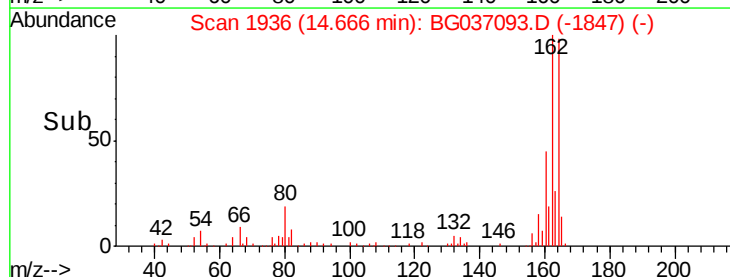
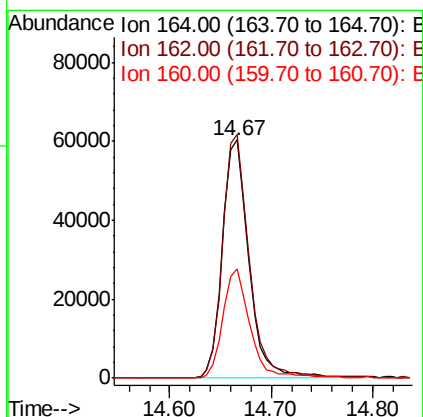
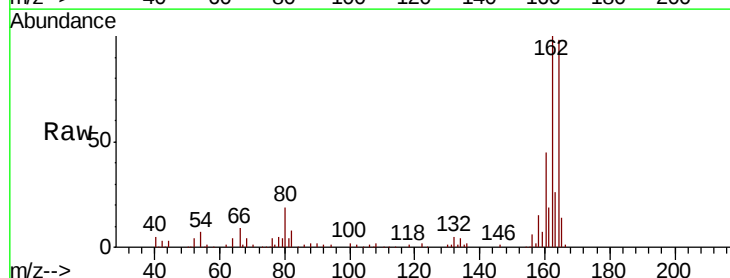
Instrument :  
BNA\_G  
ClientSampleId :  
PB113379TB

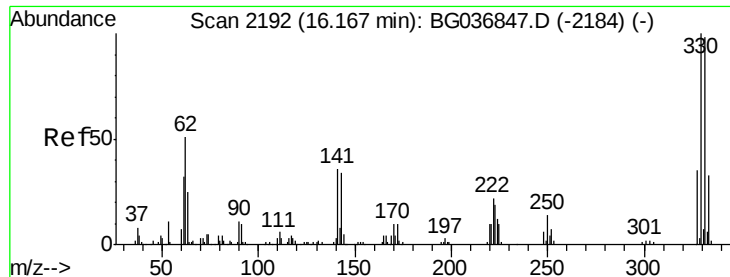
| Tot Ion   | 82    | Resp  | 266816 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 40.4  | 33.3  | 49.9   |
| 54        | 53.4  | 45.1  | 67.7   |



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.67 min Scan# 1936  
Delta R.T. -0.01 min  
Lab File: BG037093.D  
Acq: 2 Oct 2018 2:05

| Tgt Ion   | 164   | Resp  | 109751 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 102.2 | 80.7  | 121.1  |
| 160       | 45.6  | 35.3  | 52.9   |

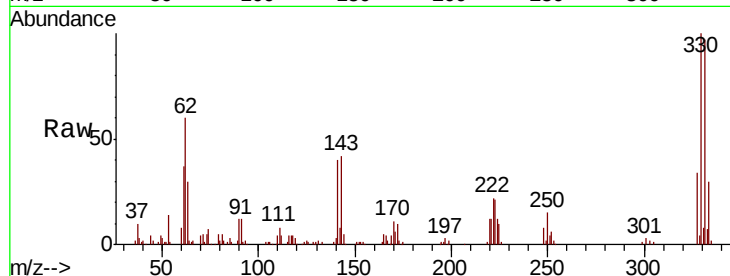




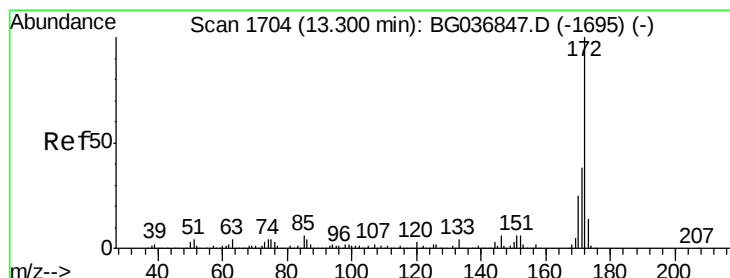
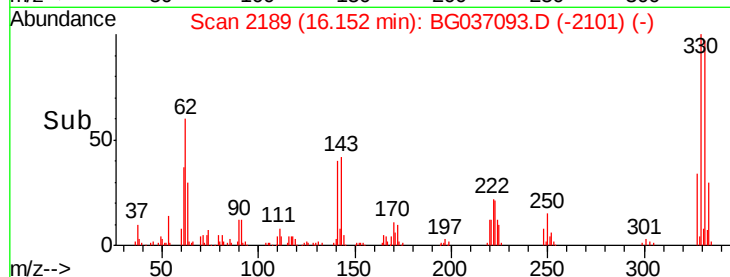
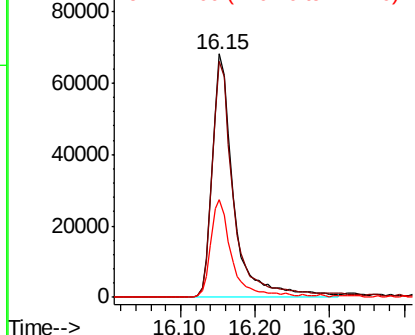
#41  
 2,4,6-Tribromophenol  
 Concen: 103.256 ng  
 RT: 16.15 min Scan# 2189  
 Delta R.T. -0.01 min  
 Lab File: BG037093.D  
 Acq: 2 Oct 2018 2:05

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB113379TB

Tot Ion:330 Resp: 135586  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 75.4 113.2  
 141 39.7 30.7 46.1

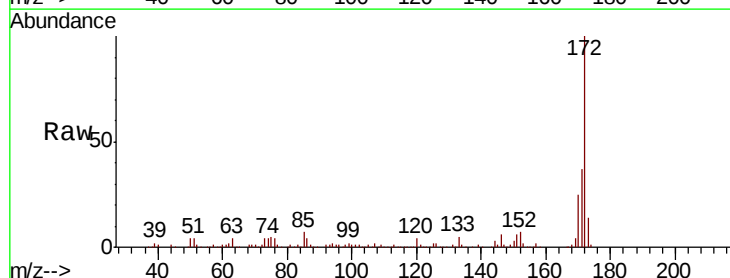


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

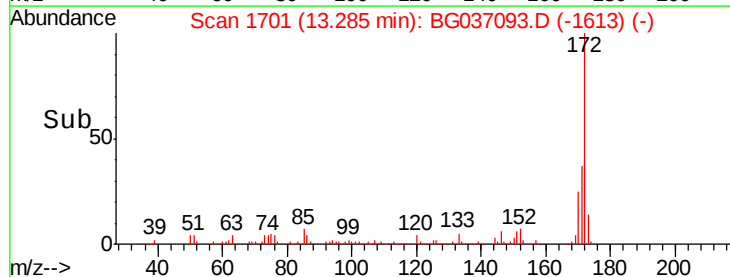
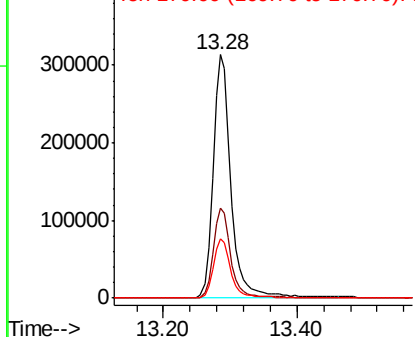


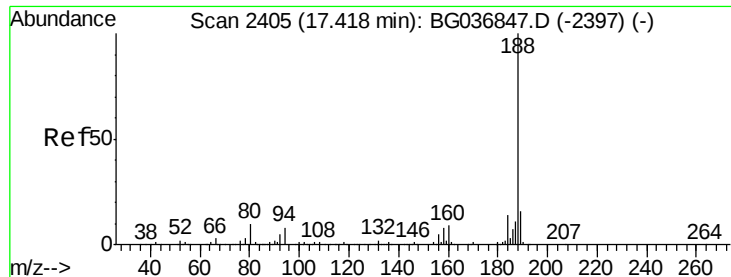
#44  
 2-Fluorobiphenyl  
 Concen: 80.118 ng  
 RT: 13.28 min Scan# 1701  
 Delta R.T. -0.01 min  
 Lab File: BG037093.D  
 Acq: 2 Oct 2018 2:05

Tgt Ion:172 Resp: 590379  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 31.3 46.9  
 170 24.6 21.0 31.6



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

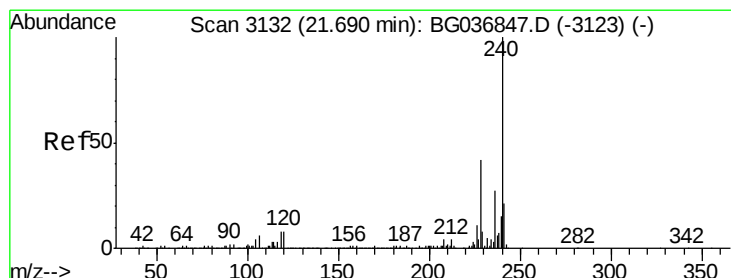
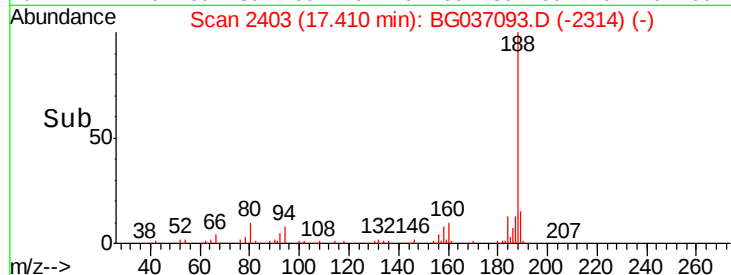
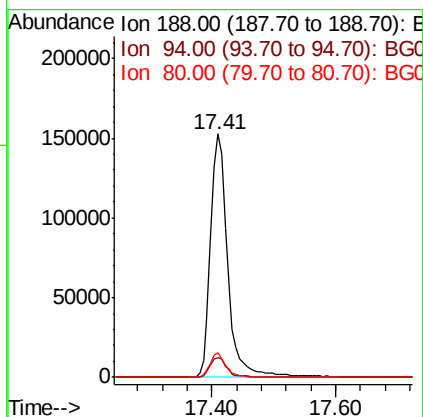
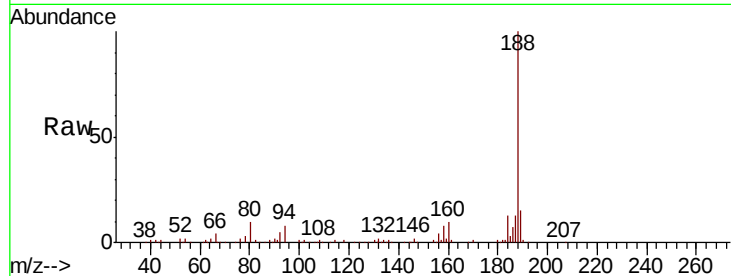




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.41 min Scan# 2403  
Delta R.T. -0.01 min  
Lab File: BG037093.D  
Acq: 2 Oct 2018 2:05

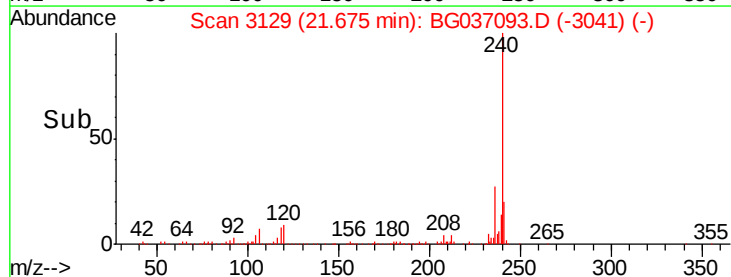
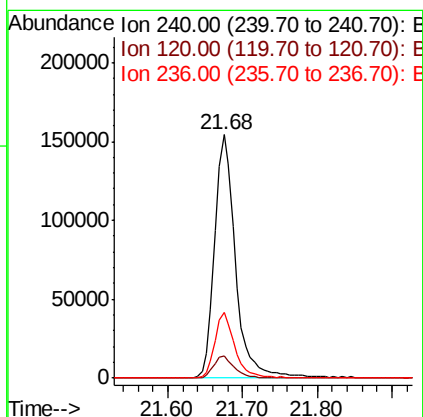
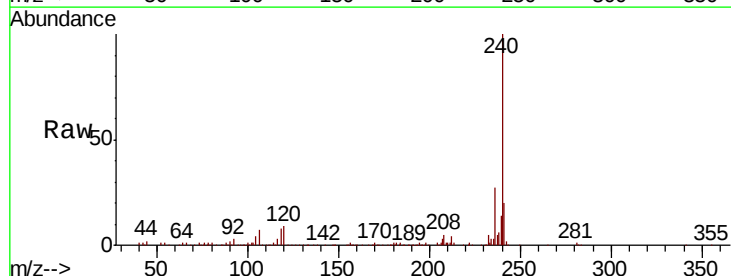
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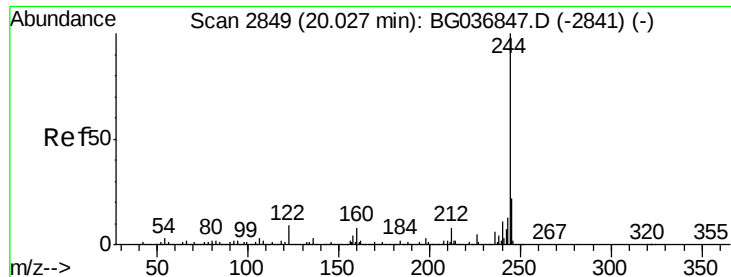
Tot Ion:188 Resp: 291640  
Ion Ratio Lower Upper  
188 100  
94 8.3 6.7 10.1  
80 10.2 8.1 12.1



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.68 min Scan# 3129  
Delta R.T. -0.01 min  
Lab File: BG037093.D  
Acq: 2 Oct 2018 2:05

Tgt Ion:240 Resp: 300736  
Ion Ratio Lower Upper  
240 100  
120 9.2 6.9 10.3  
236 26.7 21.2 31.8





#78

Terphenyl-d14

Concen: 92.077 ng

RT: 20.02 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG037093.D

Acq: 2 Oct 2018 2:05

Instrument :

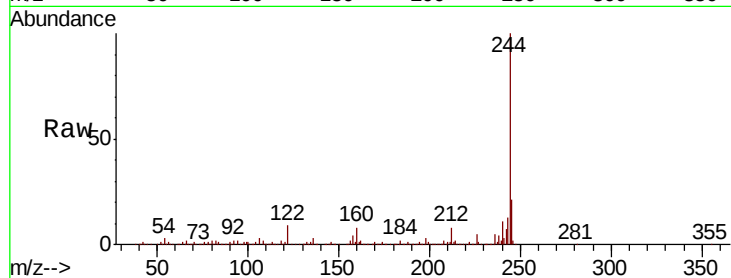
BNA\_G

ClientSampleId :

PB113379TB

Tot Ion:244 Resp: 1053085

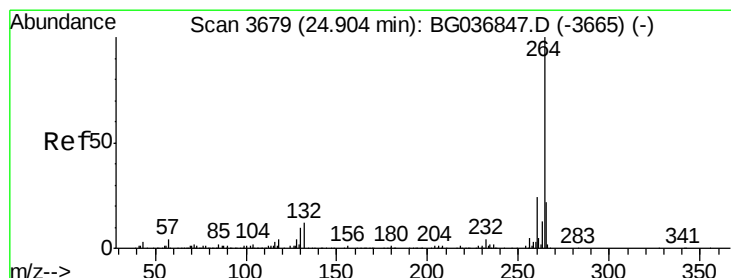
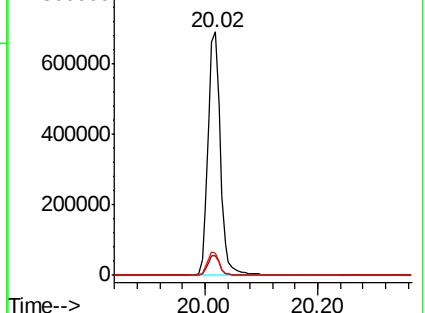
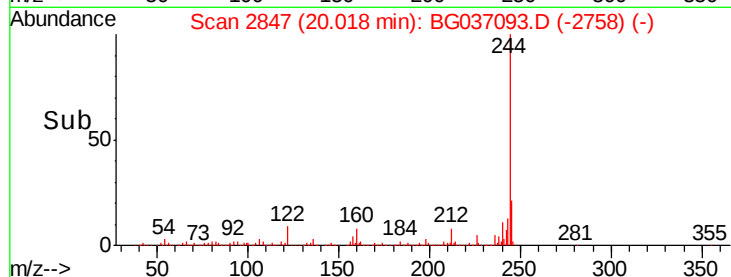
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.1   | 7.0   | 10.6  |
| 122 | 9.3   | 7.1   | 10.7  |



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.88 min Scan# 3674

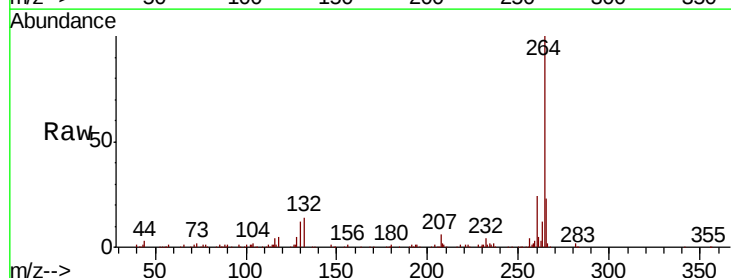
Delta R.T. -0.03 min

Lab File: BG037093.D

Acq: 2 Oct 2018 2:05

Tgt Ion:264 Resp: 287390

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.0  | 19.6  | 29.4  |
| 265 | 22.9  | 17.4  | 26.0  |



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

